

**Table A-5. Warning signs to be posted where potential nonionizing radiation hazards exist.<sup>a,b</sup>**






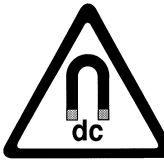



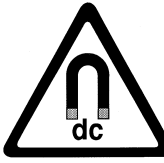
Frequency	Field	Situation	Signal Word	Symbol	Typical Legend <sup>c</sup>
Static	Electric	Field greater than 5 kV/m			Strong electric field. Irritating sparks possible Use insulating garments/equipment Authorized personnel only
		Field greater than 15 kV/m			As above
	Magnetic	Field greater than 0.5 mT (5 G)			Strong magnetic field People with pacemakers and medical. electronic implants must stay out! Damage to watches, instruments & magnetic media possible
		Field greater than 3 mT (30 G) AND survey shows potential mechanical hazards exist			Keep magnetizable tools and objects out of the area! Keep people with medical implants out of area, unless approved by Health Services and Hazards Control
		Field greater than 2 T (20 kG)			Keep magnetizable tools and objects out of the area! Keep people with medical implants out of area, unless approved by Health Services and Hazards Control Intense magnetic field Authorized personnel only

Table A-5. Warning signs to be posted where potential nonionizing radiation hazards exist.<sup>a,b</sup> (cont'd)






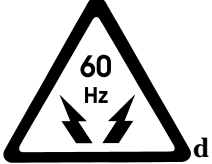




Frequency	Field	Situation	Signal Word	Symbol	Typical Legend <sup>c</sup>
Static (cont'd)	Magnetic (cont'd)	Field greater than 4 T (40 kG)			Keep out! Headaches possible Keep magnetizable tools and objects out of area! Keep people with medical implants out of the area, unless approved by Health Services and Hazards Control Extremely intense magnetic field
Greater than static-3 kHz	Electric	Field greater than the 1/25 limits specified in Table A-1 (1 kV/m at 60 Hz)			Strong electric field Pacemaker users keep out Authorized personnel only
"	"	Field greater than 5 kV/m			Strong electric field. Irritating sparks possible Use insulating garment/equipment Pacemaker users keep out Authorized personnel only
"	"	Field greater than 15 kV/m			"
"	"	Field greater than 25 kV/m			Keep out! Strong electric field Irritating sparks possible Use insulating garment/equipment. Pacemaker users keep out

Table A-5. Warning signs to be posted where potential nonionizing radiation hazards exist.<sup>a,b</sup> (cont'd)



















Frequency	Field	Situation	Signal Word	Symbol	Typical Legend. <sup>c</sup>
Greater than static–3 kHz (cont'd)	Magnetic	Field greater than one-tenth the limits specified in Table A-1 (1 G at 60 Hz)			Strong magnetic field. Pacemaker users keep out
"	Magnetic	Whole-body average field greater than the limits specified in Table A-1			Strong magnetic field Pacemaker users keep out Keep out!
3 kHz–300 GHz	Electric, magnetic, or radiation	Levels greater than the controlled access criteria given in Table A-2, but less than 35 times the levels specified in Table A-2			Radio-frequency <sup>e</sup> radiation hazard Authorized personnel only.
3 kHz–300 GHz	Electric, magnetic, or radiation	Levels greater than or equal to 35 times the levels specified in Table A-2			Radio-frequency <sup>e</sup> radiation hazard Keep out!
Any combination	Electric	Peak field greater than 100 kV/m			Intense electric field Overexposure possible Precautions required Authorized personnel only
"	"	Field greater than 200 kV/m			Very intense electric field Keep out!

Table A-5. Warning signs to be posted where potential nonionizing radiation hazards exist.<sup>a,b</sup> (cont'd)

Frequency	Field	Situation	Signal Word	Symbol	Typical Legend. <sup>c</sup>
Any combination (cont'd)	Magnetic	Field rate of change greater than 5 mT/s (50 G/s)			Intense magnetic field Overexposure possible Precautions required Authorized personnel only
"	"	Field rate of change greater than 35 mT/s (350 G/s)			Very intense magnetic field Keep out!
3 kHz–300 GHz	Electric, magnetic, or radiation	Peak field greater than the level calculated using the formula in Section 4.4 of this document, but is less than 35 times that value			Intense pulsed radio-frequency <sup>e</sup> radiation Overexposure possible Precautions required Authorized personnel only
"	"	Peak field greater than 35 times the level calculated using the formula in Section 4.4 of this document			Very intense pulsed radio-frequency <sup>c</sup> radiation Keep out!

<sup>a</sup> Layout of signs to comply with guidance of *ES&H Manual C11*.

<sup>b</sup> Signs prepared in accordance with editions of Supplement 26.12 issued on or after November 1995 can still be posted.

<sup>c</sup> Typical legend is shown. The message should be tailored to meet local needs. For example, a generic warning can be posted at entranceways to a lab or area containing equipment that generates potentially hazardous fields in small areas. The room entrance signs would warn people to check with the responsible person and state what the hazard and equipment were. Then the equipment would also be labeled to warn people to stay some distance away from it.

<sup>d</sup> Other frequencies between dc and 3 kHz or the words "pulse", pulsed", or "peak" can be entered where "60 Hz" appears. Contact your ES&H field team for guidance on subradio frequencies other than 60 Hz.

<sup>e</sup> The words "microwave" or "radio frequency/microwave" can be substituted for the word "radio frequency."

**f The words "pulse" or "pulsed" can be substituted for the word "peak."**